



Atty Dkt No. 045007-0307218  
Pat. App. Ser. No. 10/731,411

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT APPLICATION OF

Cox, et al.

Group Art Unit: 1614

Appln. No.: 10/731,411

Examiner: to be assigned

Filed: December 8, 2003

Title:  
NEUROTOXIC AMINO ACID OR NEUROTOXIC  
DERIVATIVE THEREOF ASSOCIATED WITH  
NEUROLOGICAL DISORDERS

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Attached is Form PTO-1449 listing the enclosed cited references in this statement.

Contingent Request Under Rule 97(c): Should a first action on the merits have been issued on the same day or before this Information Disclosure Statement is filed, please accept this Information Disclosure Statement under Rule 97(c) and charge the requisite Rule 17(p) fee to our Deposit Account No. 50-2212, under the above Atty Dkt. No., and proceed to consider this Information Disclosure Statement.

**Certificate of Mailing Under 37 C.F.R. §1.8**

I hereby certify that this correspondence along with any paper referred to as being attached is being Mailed to Addressee by service of the United States Postal Service addressed to Commissioner for Patents, P.O. Box, 1450, Alexandria, VA 22313-1450

By: 

Sachiko Y. Snedden

Date: April 8, 2004

This IDS is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is earnestly solicited, along with additional time under Rule 97(f), to enable Applicant to comply fully.

This Information Disclosure Statement is not to be constructed as a representation that any of the listed citations establishes, by itself or in combination with other information, a prima facie case of unpatentability of any claim in the above-identified patent application. Additionally, this Information Disclosure Statement is not to be constructed as a representation that a further search of the art has been made by the Applicant, or that additional information unknown to the Applicant and relevant to the examination of this patent application does not exist.

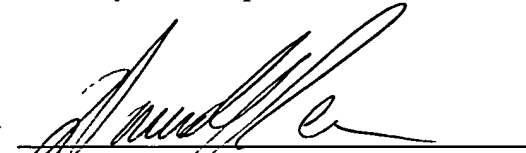
Consideration of the foregoing and enclosures plus the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Respectfully submitted,

Pillsbury Winthrop LLP

Date: April 8, 2004

By

  
Donna O. Perdue, Ph.D.  
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**TRANSMITTAL LETTER**

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P.O. Box, 1450, Alexandria, VA 22313-1450

Date: April 8, 2004 By:

  
Sachiko Y. Snedden

Sir:

Transmitted herewith for filing are the following:

1. Information Disclosure Statement;
2. PTO Form 1449;
3. Cited References (17); and
4. Return Postcard.

No fee is believed to be incurred for filing this Inquiry. However, the Commissioner is hereby authorized to charge any fee that may be due in connection with this and the attached papers, or with this application during its entire pendency to or to credit any overpayment to Deposit Account 50-2212. A duplicate of this Transmittal is enclosed.

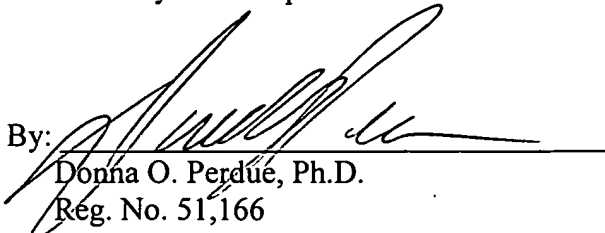
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FORM PTO-1449 (Rev. 12/98) To: U.S. Department of Commerce (PW FORM PAT-1449) Patent and Trademark Office		Atty. Dkt. No.	C-M#  045007-0307218	Client Ref.	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Inventor(s): Cox, et al.			
		Appln. No.: 10/731,411			
		Filing Date: December 8, 2003			
		Examiner: to be assigned    Group Art Unit: 1614			
Date: April 8, 2004      Page <span style="border: 1px solid black; padding: 0 5px;">1</span> of <span style="border: 1px solid black; padding: 0 5px;">2</span>					
OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)		English Abstract		Translation Readily Available	
Examiner's Initials*		Enclosed    No		Enclosed    No	
AR	Slides from presentation in Honolulu, Hawaii, December 9, 2002, entitled "Island Peoples and Human Health: An Ethnobotanical Approach."				
BR	Slides from presentation to the Plant Biotechnology and Molecular Biology Program, Colorado State University, Fort Collins, CO, March 2003, entitled : "New Drugs from Old Plants."				
CR	Slides from presentation in Stockholm, Sweden, in June, 2003, entitled "Biomagnification of Neurotoxins and ALS-PCD in Guam."				
DR	Slides from presentation to the Trustees of the Edinburgh Botanical Garden in Edinburgh, Scotland, in June 2003, entitled "Botanic Gardens and Medicine."				
ER	Hampton; Food Chain of Evidence Points to Brain Toxin; JAMA, Vol. 290, No. 21; December 3, 2003; p. 2788-2789				
FR	Bannack et al.; Biomagnification of cycad neurotoxins in flying foxes; Neurology, Vol. 61; August 2003; p.387-389				
GR	Armon; Western Pacific ALS/PDC and flying foxes; Neurology, Vol. 61; August 2003; p. 291-292				
HR	Cox et al.; Cycad neurotoxins, consumption of flying foxes, and ALS-PDC disease in Guam; Neurology, Vol. 58; March 2002; p. 956-959				
IR	Manson et al; Conservation Implications of Chamorro Consumption of Flying Foxes as a Possible Cause of Amyotrophic Lateral Sclerosis-Parkinsonism Demontia Complex in Guam; Conservation Biology, Vol. 17, No. 3; June 2003				
JR	Kisby et al.; Determination of $\beta$ -N-methylamino-L-alanine (BMAA) in plant ( <i>Cycas circinalis</i> L. ) and animal tissue by precolumn derivatization with 9-fluorenylmethyl chloroformate (Fmoc) and reversed-phase high-performance liquid chromatography; Journal of Neuroscience Methods, Vol. 26, 1988; p. 45-54				
KR	Kisby et al.; Content of the neurotoxins cycasin (methylazoxymethanol $\beta$ -D-glucoside) and BMAA ( $\beta$ -N-methylamino-L-alanine) in cycad flour prepared by Guam Chamorros; Neurology, Vol. 42; July 1992; p. 1336-1340				
LR	Duncan et al; 2-Amino-3-(methylamino)-propanoic acid (BMAA) in cycad flour; Neurology, Vol. 40; May 1990; p. 767-772				
Examiner		Date Considered:			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.					

FORM PTO-1449 (modified)  
 To: U.S. Department of Commerce  
 (PW FORM PAT-1449)  
 Patent and Trademark Office

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Dkt. No.

C-M#

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# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Date: April 8, 2004

Page

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of

2

OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)

Examiner's

Initials\*

English

Abstract

Translation

Readily  
Available

Enclosed No

Enclosed No

MR

Cox et al.; Biomagnification of cyanobacterial neurotoxins and neurodegenerative disease among the Chamorro people of Guam; PNAS, Vol. 100, No. 23; November 11, 2003; p. 13380-13383

NR

Bannack et al.; Distribution of the neurotoxic nonprotein amino acid BMAA in Cycas micronesica; Botanical Journal of the Linnean Society, Vol. 143; 2003; p. 165-168

OR

Brownson et al.; The cycad neurotoxic amino acid,  $\beta$ -N-methylamino-L-alanine (BMAA), elevates intracellular calcium levels in dissociated rat brain cells; Journal of Ethnopharmacology, Vol. 82; 2002; p. 159-167

PR

Myers et al.; Neuroactive Carbamate Adducts of  $\beta$ -N-Methylamino-L-Alanine and Ethylenediamine; The Journal of Biological Chemistry, Vol. 265, No. 18; June 25, 1990; p. 10193-10195

QR

Forman et al.; Tau and  $\alpha$ -Synuclein Pathology in Amygdala of Parkinsonism-Dementia Complex Patients of Guam; American Journal of Pathology, Vol. 160; No. 5; May 2002; p. 1725-1731

Examiner

Date Considered:

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